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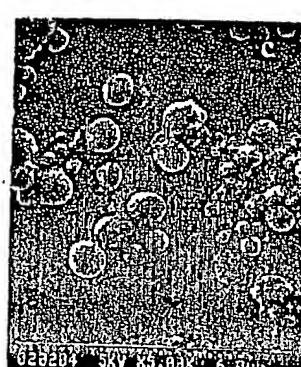
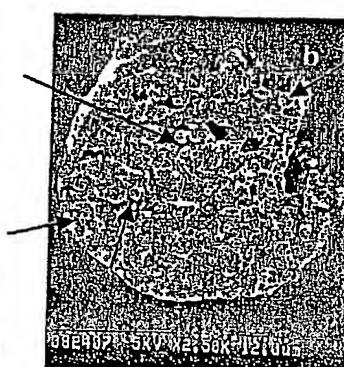
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(54) Title: POLY(ACRYLOYL-HYDROXYETHYL STARCH)-PLGA COMPOSITE MICROSpheres

SEM micrographs of insulin-loaded AcHES-PLGA composite

microspheres (a), interior structure of a fractured microsphere (b, arrows point to embedded AcHES microparticles) and freeze dried AcHES hydrogel microparticles (c).



(57) Abstract: The present invention relates to a composite microsphere system comprising poly(D,L-lactide-co-glycolide) (PLGA), poly(acryloyl hydroxyethyl starch) (AcHES), and a pharmaceutically effective amount of a biologically active compound. The active and/or derivatives thereof, a calicitonin, a parathyroid hormone (PTH), a bone morphogenic protein (BMP), an erythropoietin (EPO), an epidermal growth factor (EGF) or a growth hormone. This invention also relates to methods of using the composite microspheres, and methods of preparing same.



GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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